

APPLICANT(S): GORDON, Meir
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FILED: December 15, 2003
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CLAIM REJECTIONS

35 U.S.C. § 103(a) Rejection Based on Fullerton and Noori

In the Office Action, the Examiner rejected claims 1-12 and 17-19 under 35 U.S.C. § 103(a), as being unpatentable over U.S. Patent No. 6,937,667 to Fullerton et al. ("Fullerton") in view of U.S. Patent No. 6,760,572 to Noori ("Noori"). Applicant respectfully traverses this rejection of claims 1-12 and 17-19 under 35 U.S.C. § 103(a), as being unpatentable over Fullerton in view of Noori in view of the remarks that follow.

Claims 1-8 and 17-19 have been cancelled; the rejection of these claims is therefore moot.

As indicated by the Examiner in the Office Action on page 6, claims 13-16 would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims. Claim 9 has been amended to include the limitations of claim 13.

Each of claims 10-12 depends from amended independent claim 9, includes all the features of the claim from which it depends as well as additional distinguishing features, and is therefore likewise allowable.

In view of the above, applicant respectfully requests that the rejection of claims 1-12 and 17-19 under 35 USC §103(a) over Fullerton in view of Noori be withdrawn.

Conclusion

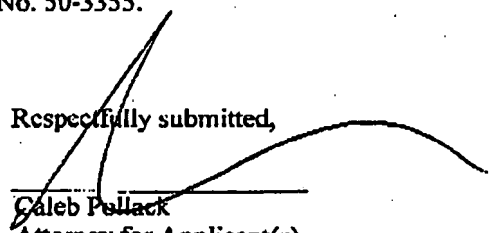
In view of the foregoing amendments and remarks, the pending claims are deemed to be allowable. Their favorable reconsideration and allowance is respectfully requested.

Should the Examiner have any question or comment as to the form, content or entry of this Response and Amendment, the Examiner is requested to contact the undersigned at the telephone number below. Similarly, if there are any further issues yet to be resolved to advance the prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

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No fees are believed to be due associated with this paper. If any such fees are due, please charge such fees to deposit account No. 50-3355.

Respectfully submitted,


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Dated: June 25, 2007

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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows and cancel without prejudice the claims marked as cancelled:

1- 8 (Cancelled)

9. (Currently Amended) A combiner comprising:

a circuit comprising a first group of six reactive elements to couple two differential input ports to two differential output ports in a first manner;

a second group of two reactive elements to couple one of said two differential input ports to one of said two differential output ports in a second, different manner; and

a third group of four reactive elements, each to couple a positive terminal and a negative terminal of a respective one of said two differential input ports and said two differential output ports; wherein reactive elements of said first group and said second group have substantially equivalent inductive impedances and reactive elements of said third group have substantially equivalent capacitive impedances.

10. (Original) The apparatus of claim 9, wherein said first manner is to couple positive terminals to positive terminals and to couple negative terminals to negative terminals, and said second manner is to couple positive terminals to negative terminals.

11. (Original) The apparatus of claim 9, wherein said first manner is to couple positive terminals to negative terminals, and said second manner is to couple positive terminals to positive terminals and to couple negative terminals to negative terminals.

12. (Original) The apparatus of claim 9, wherein at least one of said reactive elements is a discrete component.

13. (Cancelled)

14. (Original) The apparatus of claim 9, wherein reactive elements of said first group and said second group have substantially equivalent capacitive impedances and reactive elements of said third group have substantially equivalent inductive impedances.

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15. (Original) The apparatus of claim 14, further comprising:
a supply coupled to center taps of said reactive elements of said third group.
16. (Original) The apparatus of claim 14, further comprising:
a supply return coupled to center taps of said reactive elements of said third group.
- 17-19. (Cancelled)
20. (Original) A communication device comprising:
a dipole antenna;
a power amplifier coupled to said dipole antenna; and
a combiner coupled to said power amplifier, wherein said combiner includes at least:
a first group of six reactive elements to couple two differential input ports to two differential output ports in a first manner;
a second group of two reactive elements to couple one of said two differential input ports to one of said two differential output ports in a second, different manner; and
a third group of four reactive elements, each to couple a positive terminal and a negative terminal of a respective one of said two differential input ports and said two differential output ports.
21. (Original) The communication device of claim 20, wherein said first manner is to couple positive terminals to positive terminals and to couple negative terminals to negative terminals, and said second manner is to couple positive terminals to negative terminals.
22. (Original) The communication device of claim 20, wherein said first manner is to couple positive terminals to negative terminals, and said second manner is to couple positive terminals to positive terminals and to couple negative terminals to negative terminals.
23. (Original) The communication device of claim 20, wherein reactive elements of said first group and said second group have substantially equivalent inductive impedances and reactive elements of said third group have substantially equivalent capacitive impedances.

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24. (Original) The communication device of claim 20, wherein reactive elements of said first group and said second group have substantially equivalent capacitive impedances and reactive elements of said third group have substantially equivalent inductive impedances.

25. (Original) A communication system comprising:

a first communication device; and

a second communication device, said second communication device including at least:

a combiner including at least:

a first group of six reactive elements to couple two differential input ports to two differential output ports in a first manner;

a second group of two reactive elements to couple one of said two differential input ports to one of said two differential output ports in a second, different manner; and

a third group of four reactive elements, each to couple a positive terminal and a negative terminal of a respective one of said two differential input ports and said two differential output ports.

26. (Original) The communication device of claim 25, wherein said first manner is to couple positive terminals to positive terminals and to couple negative terminals to negative terminals, and said second manner is to couple positive terminals to negative terminals.

27. (Original) The communication device of claim 25, wherein said first manner is to couple positive terminals to negative terminals, and said second manner is to couple positive terminals to positive terminals and to couple negative terminals to negative terminals.

28. (Original) The communication device of claim 25, wherein reactive elements of said first group and said second group have substantially equivalent inductive impedances and reactive elements of said third group have substantially equivalent capacitive impedances.

29. (Original) The communication device of claim 25, wherein reactive elements of said first group and said second group have substantially equivalent capacitive impedances and reactive elements of said third group have substantially equivalent inductive impedances.